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Activity 4 Documentation

Getting Started

1.)Login to docker to use certain features

```
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: krizner
Password:
Login Succeeded
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images>
```

Finding images

```
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker search kafka
NAME                                    DESCRIPTION                                  STARS      OFFICIAL   AUTOMATED
wurstmeister/kafka                      Multi-Broker Apache Kafka Image              1360                  [OK]
spotify/kafka                           A simple docker image with both Kafka and Zo… 411                  [OK]
bitnami/kafka                           Apache Kafka is a distributed streaming plat… 235                  [OK]
sheepkiller/kafka-manager               kafka-manager                                204                  [OK]
kafkamanager/kafka-manager              Docker image for Kafka manager               121
ches/kafka                              Apache Kafka. Tagged versions. JMX. Cluster-… 117                  [OK]
hlebalbau/kafka-manager                 CMAK (previous known as Kafka Manager) As Do… 82                   [OK]
landoop/kafka-topics-ui                 UI for viewing Kafka Topics config and data … 36                   [OK]
solsson/kafka                           http://kafka.apache.org/documentation.html#q… 22                   [OK]
johnnypark/kafka-zookeeper              Kafka and Zookeeper combined image           22
debezium/kafka                          Kafka image required when running the Debezi… 21                   [OK]
landoop/kafka-lenses-dev                Lenses with Kafka. +Connect +Generators +Con… 20                   [OK]
danielqsj/kafka-exporter                Kafka exporter for Prometheus                18                   [OK]
landoop/kafka-connect-ui                Web based UI for Kafka Connect.              17                   [OK]
digitalwonderland/kafka                 Latest Kafka - clusterable                   15                   [OK]
tchiotludo/kafkahq                      Kafka GUI to view topics, topics data, consu… 6                    [OK]
solsson/kafka-manager                   Deprecated in favor of solsson/kafka:cmak    5                    [OK]
solsson/kafkacat                        https://github.com/edenhill/kafkacat/pull/110 5                    [OK]
solsson/kafka-consumers-prometheus      https://github.com/cloudworkz/kafka-minion   4
solsson/kafka-prometheus-jmx-exporter   For monitoring of Kubernetes Kafka clusters … 4                    [OK]
mesosphere/kafka-client                 Kafka client                                 3                    [OK]
zenko/kafka-manager                     Kafka Manger https://github.com/yahoo/kafka-… 2                    [OK]
zenreach/kafka-connect                  Zenreach's Kafka Connect Docker Image        2
digitsy/kafka-magic                     Kafka Magic images                           2
anchorfree/kafka                        Kafka broker and Zookeeper image             2
```

Tagging images

```
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker images
REPOSITORY      TAG      IMAGE ID       CREATED         SIZE
krizner/ping    1.0      f563d27751ac   29 minutes ago  138MB
krizner/ping    latest   f563d27751ac   29 minutes ago  138MB
ubuntu          16.04    aefd7f02ae24   3 weeks ago     134MB
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker rmi krizner/ping:latest
Untagged: krizner/ping:latest
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker images
REPOSITORY      TAG      IMAGE ID       CREATED         SIZE
krizner/ping    1.0      f563d27751ac   29 minutes ago  138MB
ubuntu          16.04    aefd7f02ae24   3 weeks ago     134MB
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images>
```

Pushing images

```
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images> docker push krizner/ping:1.0
The push refers to repository [docker.io/krizner/ping]
41b7260d0378: Pushed
1d5d9edd4bbc: Mounted from library/ubuntu
fbb91e31093e: Mounted from library/ubuntu
31dda91e27a1: Mounted from library/ubuntu
16012e0c1d35: Mounted from library/ubuntu
1.0: digest: sha256:27368df48db3ef604b6298171fea83e59e1f03ce5faa740ac165ea53391820e2 size: 1361
PS C:\Users\Krizzy\Documents\3rdYear2ndSem\CoE197\Week 10\ME8_Containerization_and_Docker\3-building_images>
```